

DEI +  $(\text{NH}_4)_2\text{SO}_4$  ppt.Project N \_\_\_\_\_  
B k No. \_\_\_\_\_

Page N \_\_\_\_\_  
 an to continue with purification - following the  
 same protocol as for wild type Tne - p.108.

$$11 - 6.8 \text{ mL} \quad (0.05)(6.8) = 2 \text{ M } x \quad x = 174 \mu\text{L g 2M KCl}$$

$$5' exo - 4.8 \text{ mL } 3.8 \quad (0.05)(4.8 + x) = 2 \text{ M } x \quad x = 97.4 \mu\text{L g 2M KCl}$$

$$(0.40)(6.8 + x) = 10\% \cdot x \quad 291 \mu\text{L} = x \quad x = 291 \mu\text{L 10\% DEI}$$

$$(0.40)(3.9 + x) = 10\% \cdot x \quad 163 \mu\text{L} = x \quad x = 163 \mu\text{L g 10\% DEI}$$

Make each a final 50 mM KCl. Slowly add DEI a 10%.  
 DEI soln to a final [3 of 4]. vortex - let shake  
 30 minutes @ 4°C. Spin in 2mL eppendorfs in micro-  
 centrifuge 20 minutes @ 4°C - Save Supernatant -

60%  $(\text{NH}_4)_2\text{SO}_4$  fractionation

$$\text{TY1} \quad \frac{36 \text{ g solid}}{100 \text{ mL}} = \frac{x}{6.8 \text{ mL}} \quad 2.45 \text{ g}$$

$$3'5' exo - \frac{36 \text{ g}}{100 \text{ mL}} = \frac{y}{3.5 \text{ mL}} \quad 1.26 \text{ g}$$

Vortex - let shake 30 min @ 4°C  
 spin in 55-34 - 20,000 x g -

Decant + Save Supernatant - pellets

To Page No. \_\_\_\_\_

Ised &amp; Understood by me,

Date

Invented by

May 10/95

Date

Experiments

Recorded by

06/10/95

From Page No. \_\_\_\_\_

Bump Heparin with .5M NaOH - wash w/  $1\text{L}$  <sup>extensive</sup> H<sub>2</sub>O  
Equilibrate w/ Buffer A

Buffer A - Heparin -

25mM Tris pH 7.4  
10% glycerol  
5mM BME  
.1mM PMSF  
.1mM EDTA  
10mM KCl

conductivity - 1.2 mS

AS.

Buffer B - Heparin

25mM Tris pH 7.4  
10% glycerol  
5mM BME  
.1mM PMSF  
.1mM EDTA  
1.5M KCl

T1-1 - Dissolve Pellet in 10mL of Buffer A

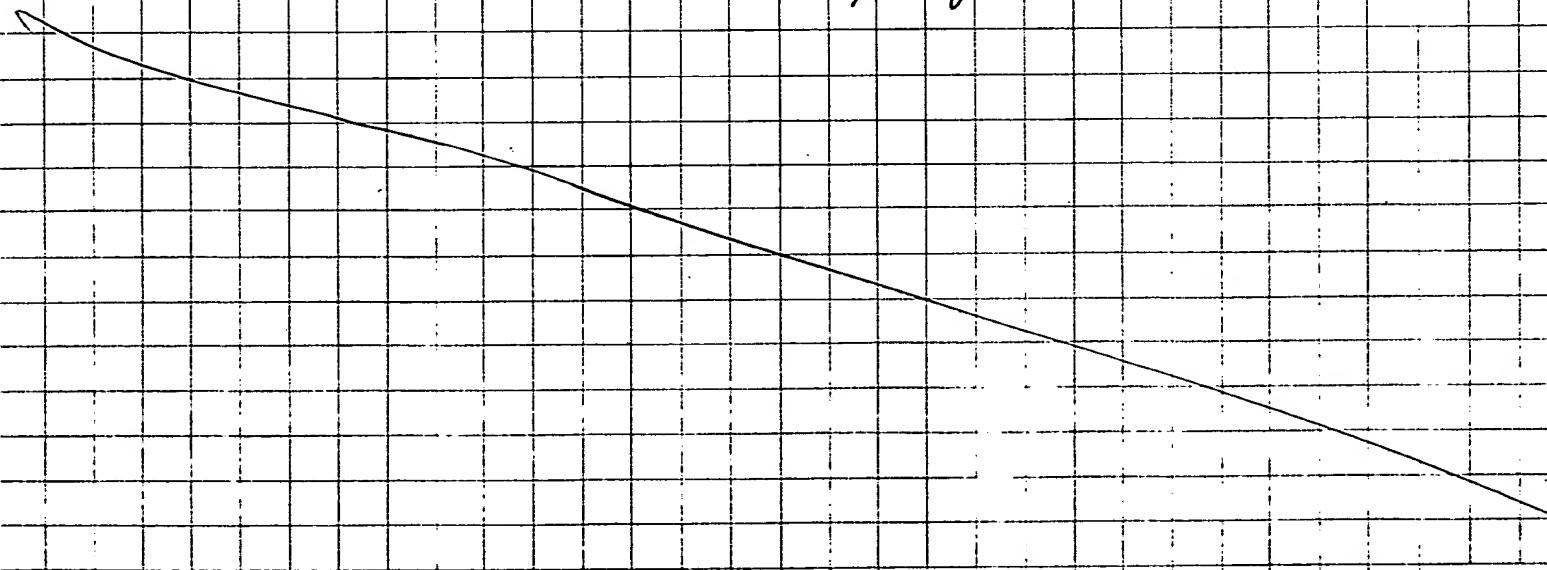
4.5 mS - cond

Add 30mL additional of Buffer A

2.1 mS - cond

Load  $\approx$  35mL on 2mL TDSO Heparin @ .75mL/min  
collect flow through material - wash to base line -

Gradient Program - 0 - 100% B @ .5mL/min - 20mL linear  
wash 100% B - 10mL - @ .5mL/min  
collect 500 $\mu$ L fractions -

To Page 1

Witnessed &amp; Understood by me,

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Oscar Torre

6/20/75

Rec rd d by

6/15/95

Page N \_\_\_\_\_

M.4 Rxn

6/15/95

stock

SMTAPS

50mM MgCl<sub>2</sub>

2M KCl

1M DTT

10mM dNTP's

fct. Salmon testes

For 20mL

1mL

800 $\mu$ L500 $\mu$ L200 $\mu$ L400 $\mu$ L

5mL

12.1

1.1 mL DTT  
1 vial

20mLs

Aligment 500 $\mu$ L / tube Store in -20°C freezer - yellow tubes -

To Page No. \_\_\_\_\_

ssed &amp; Understood by me,

Date

Invent d by

Date

Nancy Longo

6/12/95

Recorded by

E. Longo

6/14/95

Project No. \_\_\_\_\_  
Book No. \_\_\_\_\_TITLE Heparin - FY-1

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06/15

SAM CPM1

S1  
FY-1

1 115552.00 S2  
 2 53328.00 S4  
 3 9146.00 S6  
 4 4556.00 S8  
 5 1260.00 S9  
 6 3744.00 S0  
 7 1028.00 S1  
 8 574.00 S2  
 9 536.00 S3  
 10 346.00 S4  
 11 730.00 S5  
 12 438.00 S6  
 13 348.00 S7  
 14 21268.00 Load  
 15 668.00 S4  
 16 372.00 S6  
 17 866.00 S8  
 18 74836.00 S0  
 19 146.00

Pool 49.55 dialyze 0/N in Q450 Buffer A

MM  
6/20/95

20447

100

90

80

70

Pharmacia LKB Biotechnology

Witnessed &amp; Understood by me,

Date

Invented by

Date

May Tong

6/20/95

Recorded by

06/16/95

24 µl Rxn

1ul pack

Sample -

Incubate @

for 8 - 10 min

w/ 10 µl of 5

EDTA - SP

20 µl on t

wash

5' 1x 10' TCI

3' 3x 5' T.

2+ S to

dry + cool

econo flour

Pool - 49

dialyze 0/

in again

Q450 Buf

See p. 144

11/18

J

6/20/95

T Page No.

Heparin 3-5 CxO mutant

Project No. \_\_\_\_\_  
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143

age No. \_\_\_\_\_

06/15

0806/N50/98109/8.93

SAM CPM1

1	266.00	20
2	324.00	23
3	1126.00	24
4	24684.00	24
5	33768.00	28
6	111394.00	20
7	78652.00	52
8	29724.00	41
9	8666.00	54
10	54.00	10
11	2912.00	38
12	1402.00	40
13	13900.00	Load
14	212.00	8

Pool -  
25-35

24  $\mu$ l mix  
1  $\mu$ l fraction  
Sample -  
incubate @  
74°C 8 min -  
Quenched  
10  $\mu$ l g. SM  
EDTA -  
Spot 20  $\mu$ l  
on GF/C  
Wash -  
1X 10% TCA  
17-PC

3X 5% TCA  
2X EtOH  
dry +  
count -

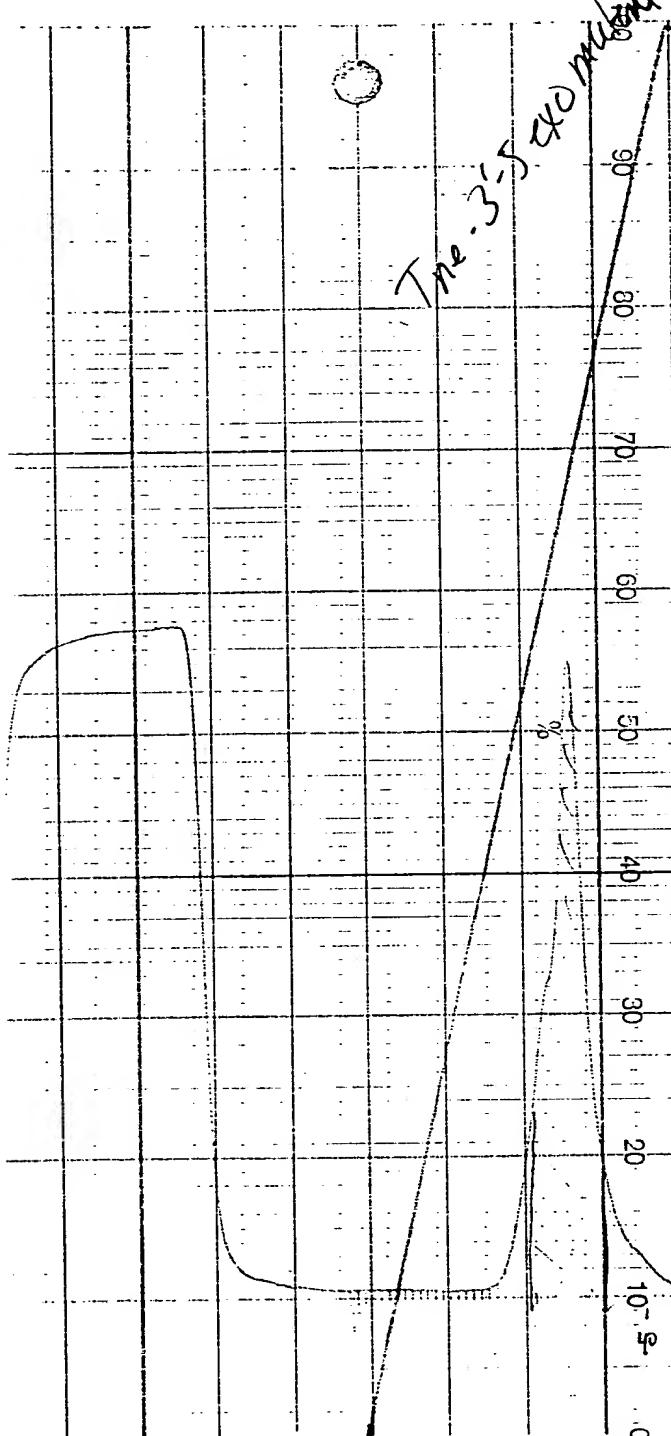
Pool - 25-35  
dialyze 4 hrs  
in Q650

Dialer A ->  
See D.141

06/15/95  
SF

NY  
6/20/95

EF



Technology

Code No. 18-1001-44

NY  
6/20/95

To Page No. \_\_\_\_\_

signed & Understood by me,

May 10/95

Date

6/20/95

Inv nt d by

Recorded by

El. gauthier

Date

06/10/95